

#### DECLARATION OF GORDON MACPHERSON

I, Gordon MacPherson, am over twenty-one (21) years of age. I have never been convicted of a felony, and I am fully competent to make this declaration. I declare the following to be true to the best of my knowledge, information and belief:

- 1. I am Director Board Governance & IP Operations of The Institute of Electrical and Electronics Engineers, Incorporated ("IEEE").
- 2. IEEE is a neutral third party in this dispute.
- 3. I am not being compensated for this declaration and IEEE is only being reimbursed for the cost of the article I am certifying.
- 4. Among my responsibilities as Director Board Governance & IP Operations, I act as a custodian of certain records for IEEE.
- 5. I make this declaration based on my personal knowledge and information contained in the business records of IEEE.
- 6. As part of its ordinary course of business, IEEE publishes and makes available technical articles and standards. These publications are made available for public download through the IEEE digital library, IEEE Xplore.
- 7. It is the regular practice of IEEE to publish articles and other writings including article abstracts and make them available to the public through IEEE Xplore. IEEE maintains copies of publications in the ordinary course of its regularly conducted activities.
- 8. The article below has been attached as Exhibit A to this declaration:
  - A. J.F. Tilki; A.A. Beex; "Encoding a hidden auxiliary channel onto a digital audio signal using psychoacoustic masking", Proceedings IEEE SOUTHEASTCON '97. 'Engineering the New Century', April 12 14, 1997.
- 9. I obtained a copy of Exhibit A through IEEE Xplore, where it is maintained in the ordinary course of IEEE's business. Exhibit A is a true and correct copy of the Exhibit, as it existed on or about July 13, 2022.



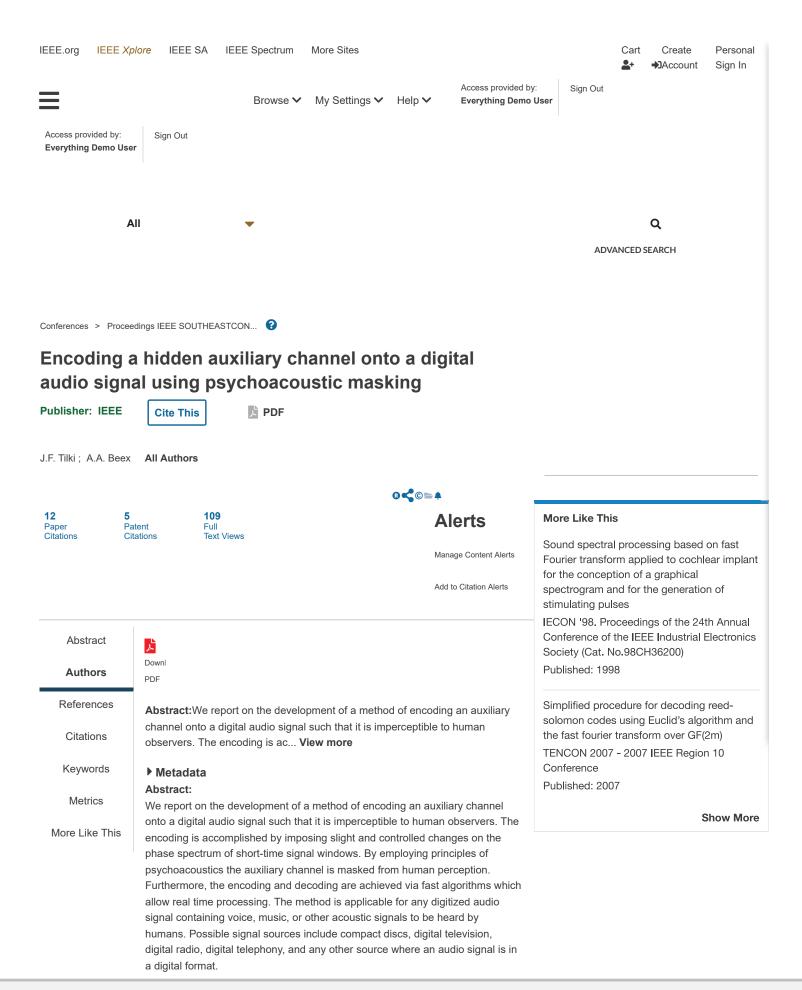
- 10. The article and abstract from IEEE Xplore shows the date of publication. IEEE Xplore populates this information using the metadata associated with the publication.
- 11. J.F. Tilki; A.A. Beex; "Encoding a hidden auxiliary channel onto a digital audio signal using psychoacoustic masking" was published in the Proceedings of IEEE SOUTHEASTCON '97. 'Engineering the New Century'. IEEE SOUTHEASTCON '97 was held from April 12 14, 1997. Copies of the conference proceedings were made available no later than the last day of the conference. The article is currently available for public download from the IEEE digital library, IEEE Xplore.
- 12. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001.

I declare under penalty of perjury that the foregoing statements are true and correct.		
		DocuSigned by:
Executed on:	7/15/2022	Gordon MacPherson
		E768DB210F4E4EF



# EXHIBIT A





Virginia Polytechnic Institute and State University, Blacksburg, VA, USA

J.F. Tilki
DSP Research Laboratory The Bradley Department of Electrical
Engineering, Virginia Polytechnic Institute and State University, Blacksburg,
VA, USA

A.A. Beex
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References

Citations

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